Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/09/2015 11:15 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/20/2014 10:06 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124180	-1	1.35	124012	1.32
Blue	F	SSC	125000	123807	-1	2.21	124699	1.92
Blue	E	FITC	17374	16709	-4	2.26	941	8.23
Blue	D	PE	22653	22068	-3	1.81	999	7.36
Blue	B	PerCP-Cy5-5	64987	63825	-2	2.47	1684	12.07
Blue	A	PE-Cy7	74081	72797	-2	3.46	959	23.20
Red	C	APC	61430	60358	-2	2.69	3406	8.17
Red	A	APC-Cy7	88289	86961	-2	2.82	1715	7.82
Violet	B	V450	12535	12194	-3	2.67	754	7.04
Violet	A	V500	47468	46028	-4	2.24	2600	4.70

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20182	4.07	581	2	N/A	N/A	Pass
Blue	F	SSC	61871	1.32	494	5	N/A	N/A	Pass
Blue	E	FITC	103	33.78	511	2	0.0300	152	Pass
Blue	D	PE	208	22.24	504	3	0.2007	118	Pass
Blue	B	PerCP-Cy5-5	207	36.37	583	3	0.0131	0	Pass
Blue	A	PE-Cy7	73	87.37	640	3	0.0169	0	Pass
Red	C	APC	318	25.49	572	2	0.0209	0	Pass
Red	A	APC-Cy7	108	36.68	548	2	0.0051	664	Pass
Violet	B	V450	79	38.31	448	-1	0.0606	1917	Pass
Violet	A	V500	171	18.63	476	-2	0.0202	145	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.57	-31.36	0.90
Blue	20.46	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.31
Red	15.69	13.07 - 19.61	N/A	N/A	31.90	32.15	1.12

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 14497

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments